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AMENDMENTS TO THE DRAWINGS

The sheets of drawings attached as **Appendix B** include changes to Figs. 1-4. These sheets, which include Figs. 1-4, replace the original sheets including Figs. 1-4. In Figures 1-4, the label at the top of the drawings (WO 2005/101032 and PCT/IL2004/000332) has been removed.

Attachment: Replacement Sheets

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REMARKS

The present response is intended to be fully responsive to all points of objection and/or rejection raised by the Examiner and is believed to place the application in condition for allowance. Favorable reconsideration and allowance of the application is respectfully requested.

Applicants assert that the present invention is new, non-obvious and useful. Prompt consideration and allowance of the claims is respectfully requested.

Status of Claims

Claims 1-49 are pending in the application.

Claims 35-46 have been withdrawn from consideration.

Claims 32-34 have been allowed.

Claims 4-19 have been objected to.

Claims 1-3, 20-31 and 47-49 have been rejected.

Claims 1, 8, 13, 14, 16, 17, 19, 30, 32, 47 and 49 have been amended in this submission.

Claims 2 and 7 have been canceled without prejudice or disclaimer. In making this cancellation without prejudice, Applicants reserve all rights in these claims to file divisional and/or continuation patent applications.

Allowable Subject Matter

In the Office Action, the Examiner stated that claims 4-19 were objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claims and any intervening claims. Applicants are grateful for the Examiner's indication and have amended claims in this submission to make them allowable over the art of record.

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Remarks to the Title

In the Office Action the Examiner objected to the Title. The title has been replaced.

Remarks to the Abstract

In the Office Action, the Examiner objected to the Abstract because the Abstract provided is improper because it is not on a separate sheet. An abstract has been provided on a separate sheet at **Appendix A**.

Remarks to the Drawings

Fig. 1-4 have been amended to omit the PCT markings. The entire drawing sheets containing each corrected drawing are enclosed as **Appendix B** for review by the Examiner.

Remarks to the Specification

The amendments to the specification are editorial in nature and do not introduce new matter. The cross-reference has been inserted at the appropriate location in the specification.

Claim Objections

Applicants are grateful to the Examiner for the close reading of the claims and for raising the objections to form. The claims have been amended to correct informalities mentioned by the Examiner under 37 CFR 1.75(a).

In addition, the Examiner inquired regarding the term "model" in claim 3. It is respectfully submitted that the term is clear both on its face, and in reference to the specification, for example, at page 11, line 29 to page 12, line 2. Applicants request that the objection be withdrawn.

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CLAIM REJECTIONS

35 U.S.C. § 102 Rejections

In the Office Action, the Examiner rejected claims 1-3, 20-21, 23-26, 31 and 47-49 under 35 U.S.C. § 102(b), as being anticipated by "An Enhanced Data Compression Method for Applications in Power Quality Analysis" (Ribeiro et al.).

Claim 1 has been amended to incorporate the further element of claim 7, which is not rejected. Accordingly, claim 1, and claims 2, 3, 20-21, 23-26, 31 and 47-49, which depend therefrom, are allowable over the art of record.

35 U.S.C. § 103 Rejections

In the Office Action, the Examiner rejected claim 22 under 35 U.S.C. § 103(a), as being unpatentable over "An Enhanced Data Compression Method for Applications in Power Quality Analysis" (Ribeiro et al.), in view of Wiese, Jr. (US Patent No. 6,493,666).

Claim 1 has been amended to incorporate the further element of claim 7, which is not rejected. Accordingly, claim 22, which depends therefrom, is allowable over the art of record.

In the Office Action, the Examiner rejected claims 27 and 28 under 35 U.S.C. § 103(a), as being unpatentable over "An Enhanced Data Compression Method for Applications in Power Quality Analysis" (Ribeiro et al.), in view of "Exploring the Power of Wavelet Analysis" (Galli et al.).

Claim 1 has been amended to incorporate the further element of claim 7, which is not rejected. Accordingly, claims 27 and 28, which depend therefrom, are allowable over the art of record.

In the Office Action, the Examiner rejected claims 29 and 30 under 35 U.S.C. § 103(a), as being unpatentable over "An Enhanced Data Compression Method for

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Applications in Power Quality Analysis" (Ribeiro et al.), in view of Van Doorn et al. (US Patent No. 5,736,847).

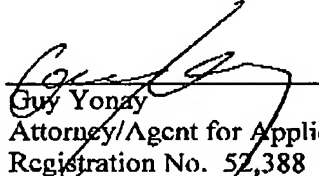
Claim 1 has been amended to incorporate the further element of claim 7, which is not rejected. Accordingly, claims 29 and 30, which depend therefrom, are allowable over the art of record.

In view of the foregoing amendments and remarks, the pending claims are deemed to be allowable. Their favorable reconsideration and allowance is respectfully requested.

Should the Examiner have any question or comment as to the form, content or entry of this Amendment, the Examiner is requested to contact the undersigned at the telephone number below. Similarly, if there are any further issues yet to be resolved to advance the prosecution of this application to issue, the Examiner is requested to telephone the undersigned counsel.

Please charge any fees associated with this paper to deposit account No. 50-3355.

Respectfully submitted,


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Appendix A

Appendix B